

Title (en)
PAPER SHEET PROCESSING DEVICE

Title (de)
VORRICHTUNG ZUR VERARBEITUNG VON PAPIERBLÄTTERN

Title (fr)
DISPOSITIF DE MANIPULATION DE FEUILLES DE PAPIER

Publication
EP 2518697 B2 20220810 (EN)

Application
EP 10839407 A 20101221

Priority
• JP 2009289637 A 20091221
• JP 2010073023 W 20101221

Abstract (en)
[origin: EP2518697A1] A sheet processing apparatus includes a main module 10 and a loading module 30. The main module includes a feeding unit 11 configured to be stacked with a plurality of paper sheets, a pick up mechanism 14 configured to pick up the paper sheets from the feeding unit, a conveying path 16 that conveys the picked up bill, an inspection device 18 configured to inspect the conveyed sheets, and an accumulation unit 22a configured to accumulate the inspected paper sheets. The loading module includes an attaching unit 34 to which a loading container 32 of an automatic teller machine is attachable, a conveying path 44 in communication with the main module and conveying the paper sheets, a loading/pick up mechanism 36 configured to load and pick up the paper sheets to/from the loading container, an inspection device 38 configured to inspect the paper sheets picked up from the loading container, a rejection container 40 that accumulates a rejected sheet. The loading module is configured to load the paper sheets conveyed from the main module to the loading container.

IPC 8 full level
G07D 11/00 (2019.01); **G07D 9/00** (2006.01)

CPC (source: EP KR US)
G07D 11/165 (2018.12 - EP KR US); **G07D 11/40** (2018.12 - EP KR US); **G07D 2211/00** (2013.01 - KR)

Citation (opposition)
Opponent :
• US 4728096 A 19880301 - WINKLER THEODORE [US], et al
• GB 1365099 A 19740829 - GLORY KOGYO KK
• GB 191320595 A 19140911 - NEIDICH SAMUEL ABRAHIMS [US]
• US 4971310 A 19901120 - MOTEGI ISAMU [JP], et al
• EP 0003372 B2 19870415
• EP 2110352 A1 20091021 - GLORY KOGYO KK [JP]
• EP 1739635 A2 20070103 - TOSHIBA KK [JP]
• US 4796878 A 19890110 - NICHELSON WILLIAM [US], et al
• US 5126539 A 19920630 - KIM KWANG Y [KR]
• JP 3363041 B2 20030107

Cited by
EP2500301A3; CN104050751A; EP2993649A1; EP3089123A1; CN106067217A; US9284156B2; US10395224B2; US9586784B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2518697 A1 20121031; EP 2518697 A4 20130605; EP 2518697 B1 20160727; EP 2518697 B2 20220810; CN 102598067 A 20120718; CN 102598067 B 20141105; IN 6296DEN2012 A 20150925; JP 2014112421 A 20140619; JP 5485295 B2 20140507; JP 5763230 B2 20150812; JP WO2011078177 A1 20130509; KR 101387271 B1 20140421; KR 101390604 B1 20140429; KR 20120060903 A 20120612; KR 20130131484 A 20131203; RU 2012131150 A 20140127; RU 2536636 C2 20141227; US 2012279173 A1 20121108; US 9142077 B2 20150922; WO 2011078177 A1 20110630

DOCDB simple family (application)
EP 10839407 A 20101221; CN 201080048580 A 20101221; IN 6296DEN2012 A 20120717; JP 2010073023 W 20101221; JP 2011547575 A 20101221; JP 2014026291 A 20140214; KR 20127010760 A 20101221; KR 20137027516 A 20101221; RU 2012131150 A 20101221; US 201213529837 A 20120621